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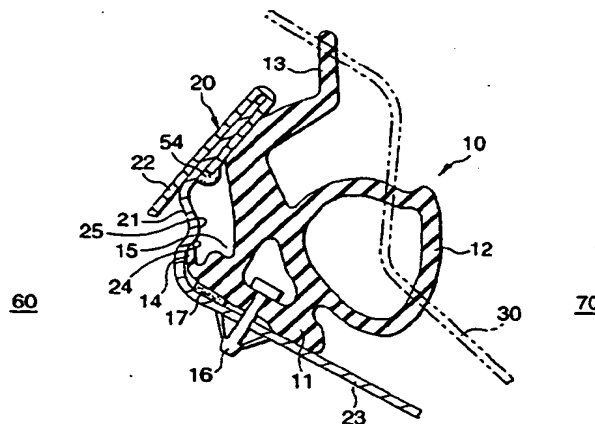
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(54) Retainerless weather strip

(57) A retainerless weather strip (10) attached to a full door type door panel (23) of an automobile by an attaching means other than a retainer, which comprises: a base portion (11) to be fixed by at a clip (16) and/or an adhesive double coated tape; a hollow seal portion (12) provided on an automobile interior side of the base portion so as to come into elastic contact with an automobile body (30); and a seal lip portion (13) provided on an automobile exterior side of the base portion. The seal

lip portion (13) comprises an upper end portion and an intermediate portion, the upper end portion coming into elastic contact with an automobile body (30) and the intermediate portion of the seal lip portion coming into elastic contact with a door panel (20). The weather strip (10) also including a small lip portion (14) protruded from a lower end portion of the base portion (11) on the automobile exterior side; and a neck portion (15) formed in a connecting portion of the base portion (11) with the seal lip portion (13).

FIG. 4



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL7)
X	GB 2 334 288 A (TOYODA GOSEI KK) 18 August 1999 (1999-08-18) * figures 3,9 *	1	B60J10/08 B60J10/00
P,A	EP 1 016 559 A (TOYODA GOSEI KK) 5 July 2000 (2000-07-05) * figures 4A,48 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 201 (M-325), 14 September 1984 (1984-09-14) & JP 59 089220 A (KINUGAWA GOMU KOGYO KK), 23 May 1984 (1984-05-23) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.CL7)
			B60J
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		20 February 2001	Kusardy, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 00 30 7262

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The members are as contained in the European Patent Office EDP file on
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2334288 A	18-08-1999	JP 11227471 A	24-08-1999
EP 1016559 A	05-07-2000	JP 2000190736 A	11-07-2000
JP 59089220 A	23-05-1984	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82